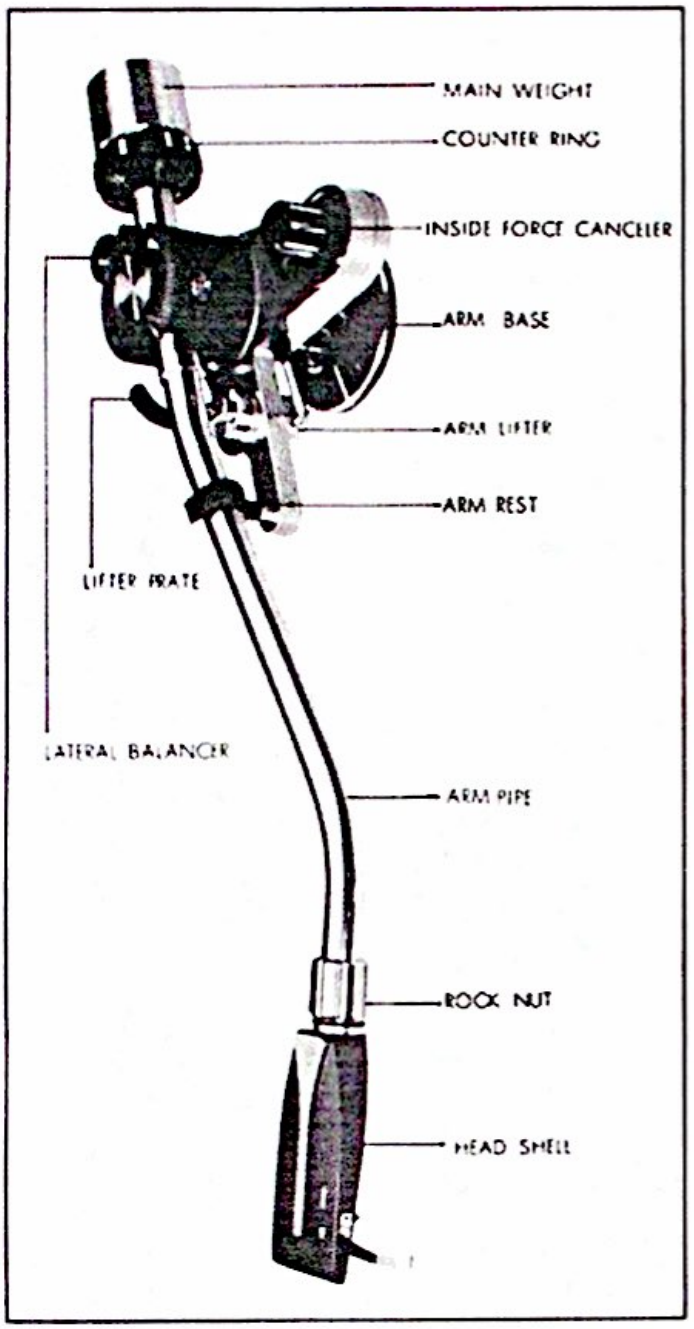
JELCO TONE ARM Model SA-200



SPECIFICATIONS

Type	:	Static Balance "S" Type
Holding Mechanism	:	One Point Cross Suspension System (CS System)
Effective Length	:	237mm
Overhang	:	15mm
Trucking Error Angle	:	+2° to −1°
Horizontal Sensitivity	:	10mgr (First Action)
Vertical Sensitivity	:	20mgr (First Action)
Range of Needle Pressure Adjustment	:	0 to 3gr (0.5gr Step Revolving Direct-reading System)
Suitable Cartridge Self-weight	:	4gr to 12gr (Without Sub-weight) 9gr to 17gr (With Sub-weight)
Horizontal Revolving Angle	:	60° towards inside from Arm Rest 30° towards outside from Arm Rest
Inside-force Canceller	:	0 to 3gr Direct-reading System corresponding with Needle Pressure
Range of Height Adjustment	:	70mm in minimum and 80mm in maximum distance between the At a St. bottom and Center of the Pip

SA-200 is a unique tone arm newly developed by Jelco, adopting one point cross suspension system (CS System) and inside-force canceller by dial direct-reading system. It is further equipped with oil damping arm lifter and lateral moment canceller which are absolutely necessary with high quality players. In other words, "SA-200" is a tone arm for high sensitivity static balance type stereo players.

One Point Cross Suspension System (CS System) (Patent Pending)

One of the many outstanding features of "SA-200" is that newly developed CS System is introduced. Conventional one point oil damping arm is unstable to lateral directions due to its one point holding and therefore it must be corrected horizontally when using. While, CS System has a mechanism which maintains the balance to lateral directions without losing the light action of one point holding, thus CS System markedly improves the first action sensitivity in horizontal direction up to 10mgr. At the same time, CS System reaches 20mgr in vertical first action sensitivity, being put a point contact pivot in right and left hands instead of ordinary angular contact bearing.

Dial Type Inside-force Canceller (Patent Pending)

The amount of inside-force generally becomes less towards the inner part from the outer part of a record. So far this problem seems not to have been solved. This difficult problem, however, now has satisfactorily settled by Jelco Dial Type Inside-force Canceller.

This canceller is very unique, having a tension mechanism that changes the back tension in accordance with the action angle of the tone arm. In other words, this canceller acts stronger at the outer part of the record where the linear velocity is speedy and acts weaker at the inner part of the record where the linear velocity is slow. This canceller, thus, cancells the amount of the inside-force which varies moment by moment.

This canceller also acts to correct inequality of the needle pressure which is usually caused by any conventional tone arm and at the same time acts as the mechanism which prevents the needle from skating at the leading point of the needle groove. Furthermore, this canceller can alter the tension while playing the record, because it is a dial type that is a mechanism separated from the moving part of the tone arm. It is therefore said that this canceller is ideal for both record and needle.

Oil Damping Arm Lifter

By a stabilized silicon oil controlling and with a high precision machining, this arm lifter assures its action stability for a longer time. With this arm lifter, a commencement and a stop of the playing in the middle of the record as well as a playing start can be made most safely and correctly. Arm lifter is generally used for start, finish and stop in the middle of the playing so as to prevent mis-handling.

Lateral Balancer

In order to make your needle best tracing, one of the most important things is that the mass balance be kept in horizontal direction. For this reason, "SA-200" is equipped with Lateral Balancer.